STN Structure Search 3/21/07

10/551,417

=> d ibib abs hitstr 1-43

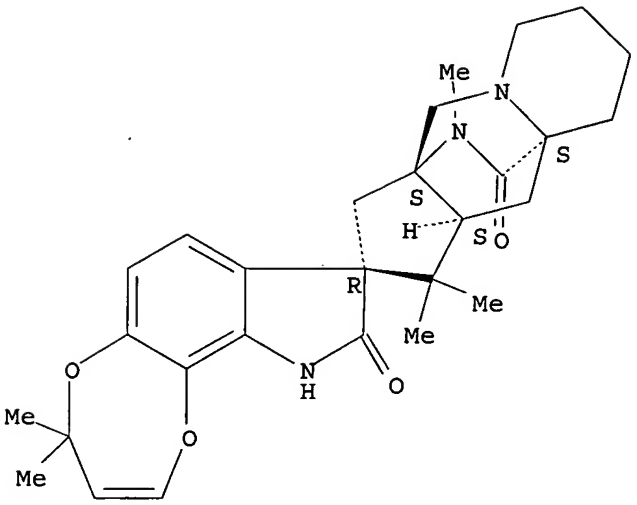
L4 ANSWER 1 OF 43 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:1166910 CAPLUS
DOCUMENT NUMBER: 145:437471
TITLE: Mycotoxins and Other Secondary Metabolites Produced in Vitro by Penicillium paneum Frisvad and Penicillium roqueforti Thom Isolated from Baled Grass Silage in Ireland
AUTHOR(S): O'Brien, Martin; Nielsen, Kristian F.; O'Kiely, Padraig; Forristal, Patrick D.; Fuller, Hubert T.; Frisvad, Jens C.
CORPORATE SOURCE: Teagasc, Grange Beef Research Centre, Ire.
SOURCE: Journal of Agricultural and Food Chemistry (2006), 54(24), 9268-9276
CODEN: JAFCAU; ISSN: 0021-8561
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Secondary metabolites produced by Penicillium paneum and Penicillium roqueforti from balled grass silage were analyzed. A total of 157 isolates were investigated, comprising 78 P. paneum and 79 P. roqueforti isolates randomly selected from more than 900 colonies cultured from bales. The findings mostly agreed with the literature, although some metabolites were not consistently produced by either fungus. Roquefortine C, marcfortine A, and andrastin A were consistently produced, whereas PR toxin and patulin were not. Five silage samples were screened for fungal metabolites, with 2 visually moldy samples containing up to 20 mg/kg of roquefortine C, mycophenolic acid, and andrastin A along with minor quantities (0.1-5 mg/kg) of roquefortines A, B, and D, festuclavine, marcfortine A, and agroclavine. Three visually nonmoldy samples contained low amts. of mycophenolic acid and andrastin A. The ability of both molds to produce a diverse range of secondary metabolites in vitro and in silage should be a concern to livestock producers.

IT 75731-43-0, Marcfortine A
RL: BSU (Biological study, unclassified); POL (Pollutant); BIOL (Biological study); OCCU (Occurrence)
(mycotoxins and secondary metabolites produced by Penicillium paneum and Penicillium roqueforti from balled grass silage in Ireland)

RN 75731-43-0 CAPLUS
CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4,12'-pentamethyl-, (2'R,3'aS,9'aS,10'aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

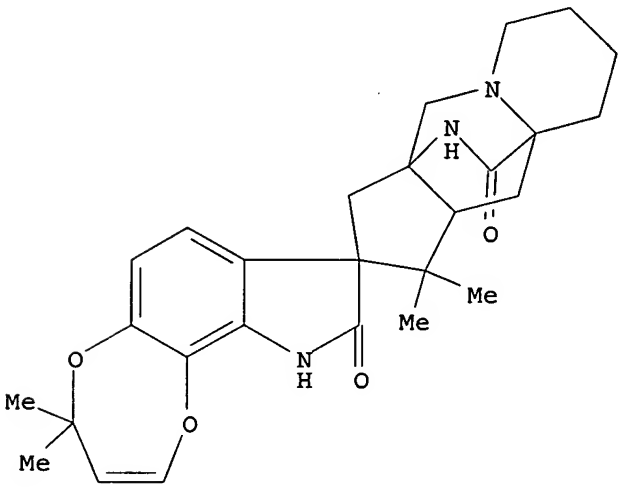


REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 43 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:596359 CAPLUS
DOCUMENT NUMBER: 145:79512
TITLE: Production of Metabolites from the Penicillium roqueforti Complex. [Erratum to document cited in CA144:386081]
AUTHOR(S): Nielsen, Kristian Fog; Sumarah, Mark W.; Frisvad, Jens C.; Miller, J. David
CORPORATE SOURCE: Centre for Microbial Biotechnology, BioCentrum-DTU, Technical University of Denmark, Kgs. Lyngby, DK-2800, Den.
SOURCE: Journal of Agricultural and Food Chemistry (2006), 54(14), 5216
CODEN: JAFCAU; ISSN: 0021-8561
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Table 3 contains several entries that are incorrect. The corrected table is given.
IT 75731-43-0, Marcfortine A 75789-29-6, Marcfortine B 75789-30-9, Marcfortine C
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(metabolites from Penicillium roqueforti complex from silage related silage toxicosis (Erratum))
RN 75731-43-0 CAPLUS
CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4,12'-pentamethyl-, (2'R,3'aS,9'aS,10'aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4-tetramethyl-, (2'R,3'aR,9'aS,10'aR)- (9CI) (CA INDEX NAME)



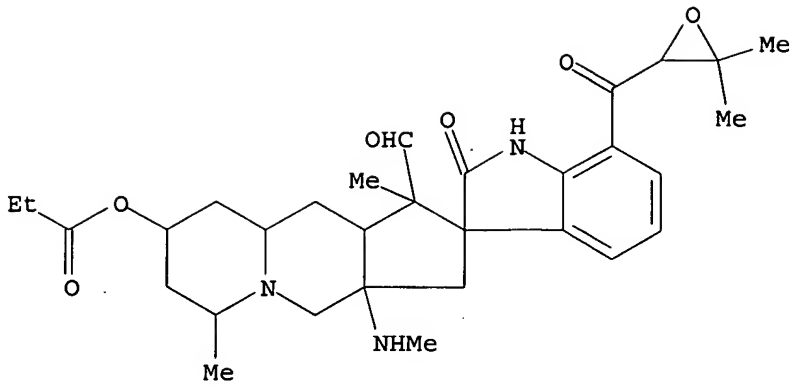
REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 43 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:847633 CAPLUS
DOCUMENT NUMBER: 141:313040
TITLE: Histamine H3 receptor inhibitors PF1270A, B and C
INVENTOR(S): Kushida, Nobuaki; Watanabe, Naoko; Yaguchi, Takashi; Yokoyama, Fumikazu; Tsujiuchi, Goh; Okuda, Takako
PATENT ASSIGNEE(S): Meiji Seika Kaisha, Ltd., Japan
SOURCE: PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087938	A1	20041014	WO 2004-JP4416	20040329
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1612273	A1	20060104	EP 2004-724195	20040329
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				

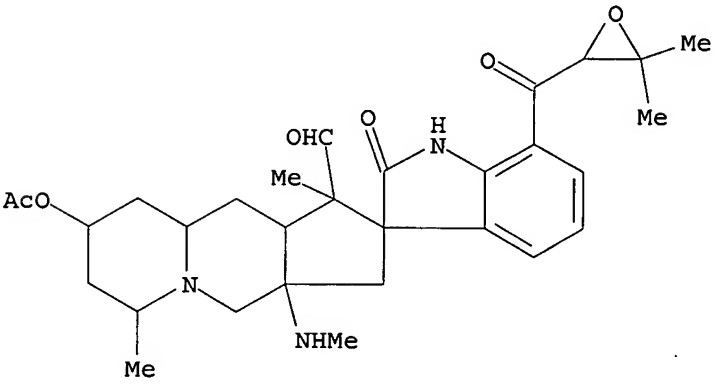
PRIORITY APPLN. INFO.: JP 2003-93595 A 20030331
WO 2004-JP4416 W 20040329

GI



RN 767333-72-2 CAPLUS
CN Spiro[cyclopenta[b]quinolizine-2(3H),3'-[3H]indole]-1-carboxaldehyde, 8-(acetyloxy)-7'-[(3,3-dimethyloxiranyl)carbonyl]-1,1',2',3a,4,6,7,8,9,9a,10,10a-dodecahydro-1,6-dimethyl-3a-(methylamino)-2'-oxo-, (+)- (9CI) (CA INDEX NAME)

Rotation (+).
Currently available stereo shown.

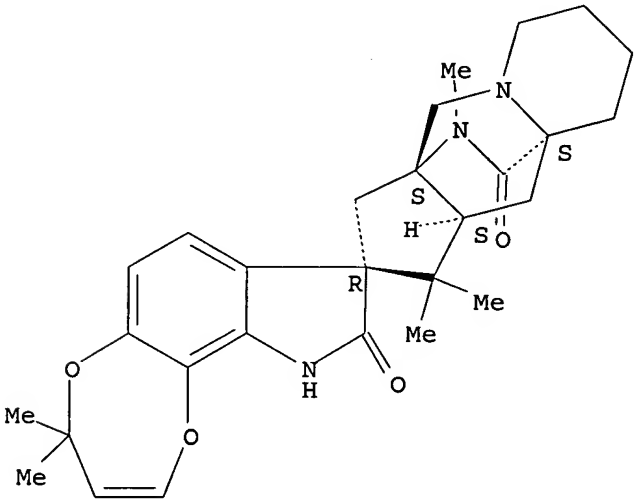


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

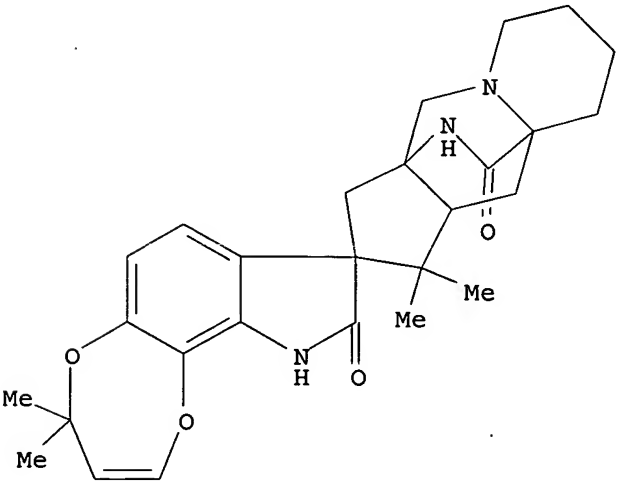
L4 ANSWER 7 OF 43 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:777890 CAPLUS
DOCUMENT NUMBER: 142:106611
TITLE: Interrelationships among physicochemical properties, absorption and anthelmintic activities of 2-desoxoparaherquamide and selected analogs
AUTHOR(S): Johnson, S. S.; Coscarelli, E. M.; Davis, J. P.; Zaya, R. M.; Day, J. S.; Barsuhn, C. L.; Martin, R. A.; Vidmar, T. J.; Lee, B. H.; Conder, G. A.; Geary, T. G.; Ho, N. F. H.; Thompson, D. P.
CORPORATE SOURCE: Pfizer Animal Health, Kalamazoo, MI, USA
SOURCE: Journal of Veterinary Pharmacology and Therapeutics (2004), 27(3), 169-181
CODEN: JVPTD9; ISSN: 0140-7783
PUBLISHER: Blackwell Publishing Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The interrelationships between physicochem. properties, absorption and

RN 75731-43-0 CAPLUS
CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4,12'-pentamethyl-, (2'R,3'aS,9'aS,10'aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 75789-29-6 CAPLUS
CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4-tetramethyl-, (2'R,3'aR,9'aS,10'aR)- (9CI) (CA INDEX NAME)



RN 75789-30-9 CAPLUS
CN Spiro[1H,4H-3a,9a-(iminomethano)cyclopenta[b]quinolizine-2(3H),3'(2'H)-pyrano[2,3-g]indole]-2',11-dione, 1',6,7,7',8,9,10,10a-octahydro-1,1,7',7'-tetramethyl-, (2R,3aR,9aS,10aR)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L4 ANSWER 41 OF 43 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:48776 CAPLUS

10/551,417

DOCUMENT NUMBER: 112:48776
TITLE: Use of the natural product marcfortines as antiparasitic agents
INVENTOR(S): Mrozik, Helmut
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: U.S., 4 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4866060	A	19890912	US 1988-233785	19880819

PRIORITY APPLN. INFO.: US 1988-233785 19880819

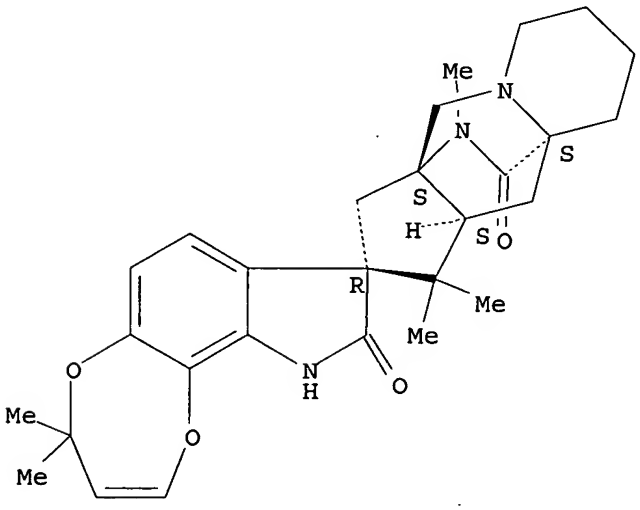
AB Marcfortines A, B, and C of Penicillium roqueforti are useful antiparasitic agents for the treatment of diseases caused by endo- and ectoparasites. The active ingredient is administered orally at 0.05-20 mg/kg body weight

IT 75731-43-0, Marcfortine A 75789-29-6, Marcfortine B 75789-30-9, Marcfortine C
RL: BIOL (Biological study)
(parasiticide)

RN 75731-43-0 CAPLUS

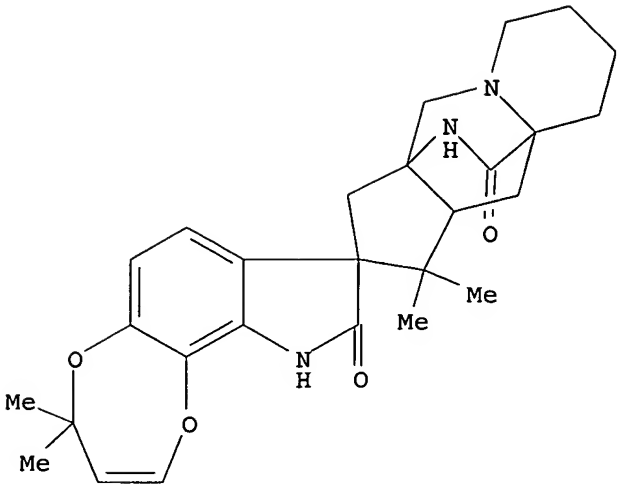
CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4,12'-pentamethyl-, (2'R,3'aS,9'aS,10'aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 75789-29-6 CAPLUS

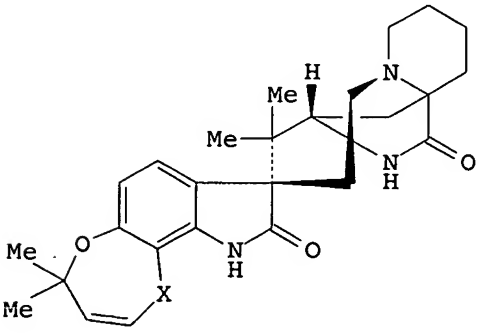
CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4-tetramethyl-, (2'R,3'aR,9'aS,10'aR)- (9CI) (CA INDEX NAME)



RN 75789-30-9 CAPLUS
CN Spiro[1H,4H-3a,9a-(iminomethano)cyclopenta[b]quinolizine-2(3H),3'(2'H)-pyrano[2,3-g]indole]-2',11-dione, 1',6,7,7',8,9,10,10a-octahydro-1,1,7',7'-tetramethyl-, (2R,3aR,9aS,10aR)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

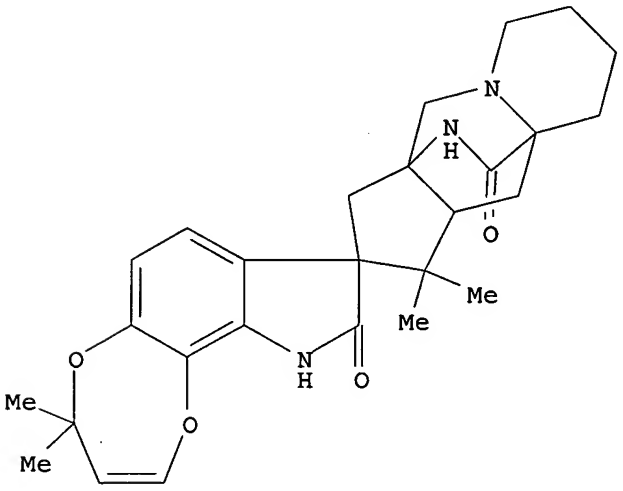
L4 ANSWER 42 OF 43 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1981:533215 CAPLUS
DOCUMENT NUMBER: 95:133215
TITLE: Structures of marcfortine B and C (x-ray analysis), alkaloids from Penicillium roqueforti
AUTHOR(S): Prange, Thierry; Billion, Marie Annick; Vuilhorgne, Marc; Pascard, Claudine; Polonsky, Judith; Moreau, Serge
CORPORATE SOURCE: Inst. Chim. Subst. Nat., Gif-sur-Yvette, 91190, Fr.
SOURCE: Tetrahedron Letters (1981), 22(21), 1977-80
CODEN: TELEAY; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB The structures of marcfortine B (I; X = O) and marcfortine C (I; X = bond), previously isolated from P. roqueforti (J. P.; et al., 1980), were determined by spectral anal. and x-ray crystallog. resp.

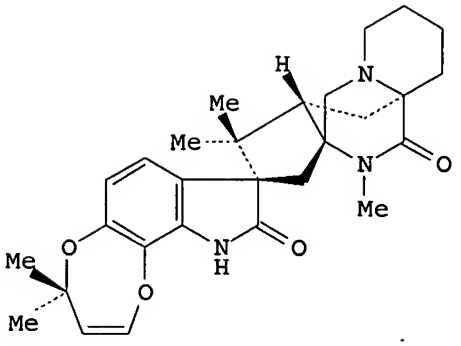
IT 75789-29-6P 75789-30-9P
RL: PREP (Preparation)
(from Penicillium roquefortii, structure of)
RN 75789-29-6 CAPLUS
CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4-tetramethyl-, (2'R,3'aR,9'aS,10'aR)- (9CI) (CA INDEX NAME)



RN 75789-30-9 CAPLUS
CN Spiro[1H,4H-3a,9a-(iminomethano)cyclopenta[b]quinolizine-2(3H),3'(2'H)-pyrano[2,3-g]indole]-2',11-dione, 1',6,7,7',8,9,10,10a-octahydro-1,1,7',7'-tetramethyl-, (2R,3aR,9aS,10aR)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L4 ANSWER 43 OF 43 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1980:639750 CAPLUS
DOCUMENT NUMBER: 93:239750
TITLE: Isolation and structure (x-ray analysis) of marcfortine A, a new alkaloid from Penicillium roqueforti
AUTHOR(S): Polonsky, Judith; Merrien, Marie Annick; Prangé, Thierry; Pascard, Claudine; Moreau, Serge
CORPORATE SOURCE: Inst. Chim. Subst. Nat., Gif-sur-Yvette, 91190, Fr.
SOURCE: Journal of the Chemical Society, Chemical Communications (1980), (13), 601-2
CODEN: JCCCAT; ISSN: 0022-4936
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

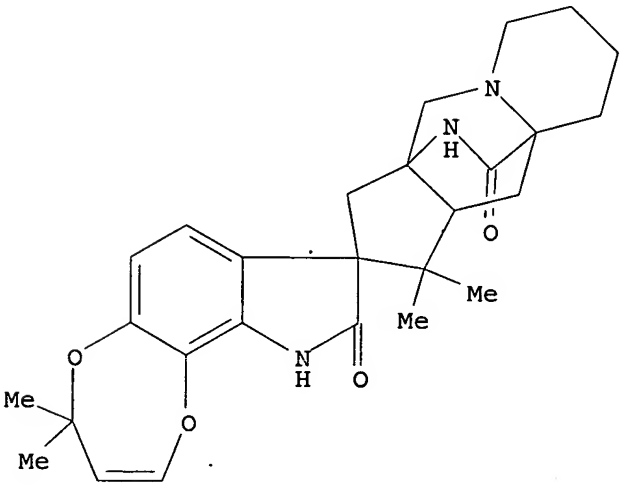
AB A novel alkaloid, marcfortine A (I), was isolated from P. roqueforti and its structure determined by chemical and spectral means and especially by x-ray anal.

Two new minor alkaloids, marcfortine B and C, and the previously known roquefortine were also isolated.

IT 75789-29-6P 75789-30-9P
RL: PREP (Preparation)
(from Penicillium roqueforti)

RN 75789-29-6 CAPLUS

CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4-tetramethyl-, (2'R,3'aR,9'aS,10'aR)- (9CI) (CA INDEX NAME)



RN 75789-30-9 CAPLUS

CN Spiro[1H,4H-3a,9a-(iminomethano)cyclopenta[b]quinolizine-2(3H),3'(2'H)-pyrano[2,3-g]indole]-2',11-dione, 1',6,7,7',8,9,10,10a-octahydro-1,1,7',7'-tetramethyl-, (2R,3aR,9aS,10aR)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT 75731-43-0P
RL: PREP (Preparation)
(from Penicillium roqueforti, structure of)

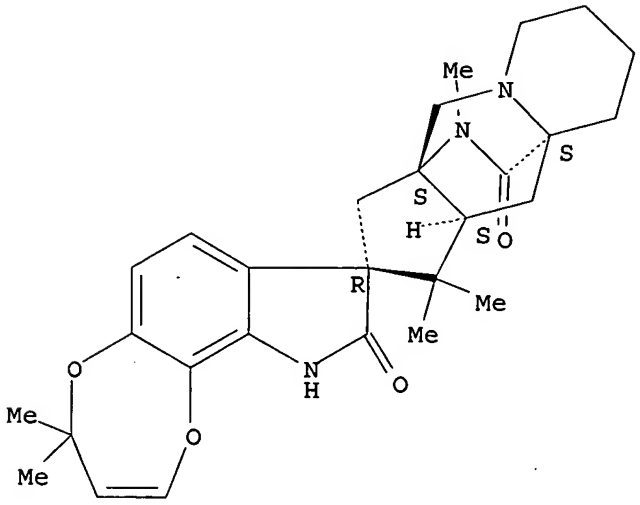
RN 75731-43-0 CAPLUS

CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4,12'-pentamethyl-,

10/551,417

(2'R,3'aS,9'aS,10'aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



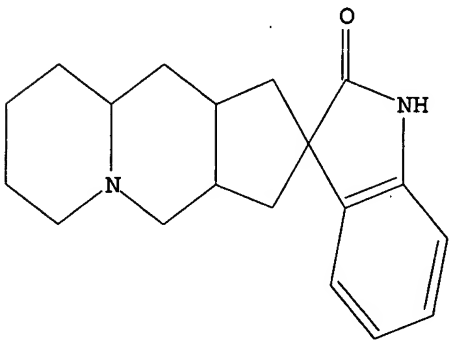
=> d his

(FILE 'HOME' ENTERED AT 14:03:31 ON 21 MAR 2007)

FILE 'REGISTRY' ENTERED AT 14:04:40 ON 21 MAR 2007
L1 STRUCTURE UPLOADED
L2 5 S L1
L3 159 S L1 FULL

FILE 'CAPLUS' ENTERED AT 14:05:21 ON 21 MAR 2007
L4 43 S L3

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=>